

Title (en)
Vehicle seat back with active head restraint

Title (de)
Fahrzeugsitzlehne mit aktiver Kopfstütze

Title (fr)
Siège arrière de véhicule avec retenue de tête active

Publication
EP 1946961 A3 20081217 (EN)

Application
EP 07124178 A 20071231

Priority
US 65426007 A 20070116

Abstract (en)
[origin: US7374239B1] An apparatus includes a seat back having an outer surface that selectively contacts a seat occupant and a head restraint extending from the seat back that has a head restraint portion that selectively contacts the seat occupant. The head restraint portion is moveable between a forward position and a rearward position. The apparatus also includes a head restraint control assembly having an actuator, a lock mechanism, and a lock mechanism resetting device. The actuator transfers an actuation force to the head restraint portion for initiating movement of the head restraint portion from the rearward position to the forward position. The lock mechanism selectively restrains the headrest portion from moving from the forward position to the rearward position. The lock mechanism will restrain the headrest portion from moving from the forward position to the rearward position in a first actuation event and selectively reset by action of the lock mechanism resetting device in order to restrain the headrest portion from moving from the forward position to the rearward position in a second actuation event. The lock mechanism resetting device will reset the lock mechanism without manipulation from an outside source.

IPC 8 full level
B60N 2/48 (2006.01)

CPC (source: EP US)
B60N 2/838 (2018.01 - EP US); **B60N 2/865** (2018.01 - EP US); **B60N 2/888** (2018.01 - EP US)

Citation (search report)
• [X] DE 102004034156 A1 20060126 - VOLKSWAGEN AG [DE]
• [X] DE 102004037832 A1 20050324 - LEAR CORP [US]

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC MT NL PL PT RO SE SI SK TR

Designated extension state (EPC)
AL BA HR MK RS

DOCDB simple family (publication)
US 7374239 B1 20080520; CN 101224718 A 20080723; CN 101224718 B 20120829; EP 1946961 A2 20080723; EP 1946961 A3 20081217; EP 1946961 B1 20141022; US 2008197681 A1 20080821; US 7597391 B2 20091006

DOCDB simple family (application)
US 65426007 A 20070116; CN 200810003721 A 20080116; EP 07124178 A 20071231; US 10569408 A 20080418